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## PATENT ABSTRACTS OF JAPAN

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(71)Applicant : TOSHIBA CORP

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(72)Inventor : TOMIOKA TAZUKO  
IBE HIROYUKI

(54) OPTICAL NETWORK, NODE DEVICE, AND SETTING METHOD FOR OPTICAL CUT-THROUGH LINK

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an optical network that is superior in throughput, and capable of distributing a limited number of optical transceivers to a portion that requires them most at each time, in response to the tendency for long-term changes in the amount of traffics, and adapting a network logical profile to the tendency for changes in the amount of traffics.

SOLUTION: After placing an optical cut-through link, a root information including an information for the optical cut-through link as a new link is advertised to adjacent node devices. In addition, the optical cut-through links are reconfigured by periodically releasing an optical cut-through link with little traffic and placing an optical cut-through link heavily much traffic.

